

## **ABSTRACT**

An apparatus and method for generating a stereo sound has a direct sound positioner, a reverberation positioner, multiple sound integrators, a left reverberation generator and a right reverberation generator. It uses the direct  
5 sound positioner and reverberation positioner to produce the directional effect of sounds and uses the left and right reverberation generators produce the spatial effect of the sounds. Further, it adjusts the ratio of the directional sounds and the reverberation via the integrators to achieve the required sound effects.